



# Bishop Wordsworth's School

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Head Master: Dr S D Smallwood BSc (Hons) PhD NPQH

9 June 2016

Dear Parents/Guardians

## **BWS NASA Educational Tour, Space Trek, Florida – Oct 2017**

The Physics Department is planning an overseas field trip for Year 11 and Sixth Form BWS students studying or intending to study A Level Physics, (present Year 9, 10 and 11). The trip is to visit Florida over the Half Term in October 2017. This is the first time this trip is being offered and there is an exciting itinerary for the trip. Please see the attached flyer for more information. The trip will depart on 20 October returning on 27 October 2017 (these dates are provisional). At the moment we wish to ascertain if there is enough interest in the trip to make it feasible.

The provisional plan at this stage is that the trip will take eight days including travel time. The first three days in Florida will be spent at The Kennedy Space Centre at Cape Canaveral where students will take part in engineering tasks as well as other enrichment activities. The following two days will involve visiting Universal Studios Orlando. Alongside enjoying the rides, students will get a behind the scenes look at the science and technology involved in creating the park. The day before departure will be a day trip to the Everglades.

There is a range of activities incorporating a wide spread of the physics syllabus, from forces and projectile motion to engineering, practical and analytical skills. There are opportunities for team work, competitive sessions, as well as exploring the unique Everglades and the opportunity for travel and exploration. For more details of the proposed plans please see the accompanying flyer.

The logistics will be organised with the assistance of Educating Adventures, a company with a successful track record of organising similar trips. A representative from this organisation will be present every day in Florida to help the trip run smoothly.

The likely cost for the trip will be around £2200, to include all travel (to/from a London Airport, flights and transport whilst in the USA) in addition to accommodation and food (except lunch at Universal Studios and the Everglades), entry fees for exhibitions etc. and insurance. We will be using good quality, fully catered hotel accommodation. I will be able to confirm a more accurate costing once the flights are booked.

Because of the restrictions on entering the USA all students will need an ESTA (visa waiver program) and e-passports (passports with an integrated chip). Passports with the chip have the symbol below.





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In order to ascertain whether or not this trip is viable could I ask that if you are interested in your son taking part, please could you return the reply slip below by **27 June 2016**.

At this point there is no commitment although once we decide to go ahead then we will need confirmations and deposits (amount to be decided nearer the time, probably due September 2016).

More details about cost will be disseminated as soon as we have the information. If you have any further questions about the trip then please do not hesitate to contact me at school.

Yours sincerely

K Turnbull  
Teacher of Physics

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Reply Slip: **BWS NASA Educational Tour, Space Trek, Florida – Oct 2017**

**Please return to K Turnbull by 27 June 2016**

I am interested in my son taking part in the BWS NASA Educational Tour, Space Trek, Florida in the October Half Term 2017

Name of Student: \_\_\_\_\_

Class: \_\_\_\_\_

Signed (Parent/Guardian): \_\_\_\_\_

Date: \_\_\_\_\_



# NASA Educational Tour and Space Trek

## Florida USA

### October 2017

#### Day One: Fly to Orlando

Take a coach from BWS to a London Airport and fly to Orlando, Florida where you will be transferred to accommodation on Cocoa Beach (venue of Mercury and Apollo Astronauts pre-launch). Three students to a room and breakfast and dinner included.

#### Day 2-4: Kennedy Space Center and Cape Canaveral

Space Trek Camp: Working in teams you will be immersed in the technology rich environment of the Kennedy Space Center (KSC) where you construct test and fine tune a Rocket using sensors. The rocket will have to conform to a flight plan with a payload, acceleration and altitude requirements.

There will be the opportunity to meet an Astronaut and get an autographed souvenir, experience a Shuttle Launch Simulator, IMAX Screening and a graduation ceremony as well as other exhibits available at KSC. On completion of the camp you'll receive your Space Trek Camp name tags, a T-shirt and a certificate, lunch and snack are also included whilst at KSC.

This is an excellent chance to test your maths, physics and technological skills, as well and build a rocket!

#### Day 5-6: Universal Studios

Day 5 is a visit to Islands of Adventure and Harry Potter World including the new facility put together by Steven Spielberg. You'll get the full Hogwarts experience in Harry Potter World and have a Behind the Adventure tour where you will access to parts of the park restricted to the general public. Here you will get a taste for the physics and technology involved in creating some of the most thrilling rides in the world.

Day 6 is spent at Universal Studios where you will go behind the scenes and right into the action of your favourite movies.

#### Day 7: Everglades and Departure

Boggy Creek Airboats: Glide through the wetlands of the Everglades trying to spot exotic birds, turtles and the Florida Alligator. Then fly through the Everglades up to 45 mph to get the full Florida experience.

Time permitting there will be a chance to pick up some souvenirs at Orlando's Outlet shopping before heading to the airport



#### Day 8: Arrive back in UK

Fly overnight and a coach will bring us back to BWS along with some pretty amazing memories.